

## INTERNATIONAL SEARCH REPORT

PCT/US2004/003135

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C08J3/075 A61L27/16 C08F283/01

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C08J A61L C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	US 2004/092653 A1 (BRAITHWAITE GAVIN J C ET AL) 13 May 2004 (2004-05-13) claims	1-180
X	US 6 268 405 B1 (SWORDS GREGORY ALAN ET AL) 31 July 2001 (2001-07-31) column 13, line 54 - column 14, line 6	1-180
X	US 6 231 605 B1 (KU DAVID N) 15 May 2001 (2001-05-15) claims; example 4	1-180
X	US 5 981 826 A (BRADDON LINDA G ET AL) 9 November 1999 (1999-11-09) claims; examples	1-180
	----- -/-	

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

14 September 2004

Date of mailing of the International search report

22/09/2004

## Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

## Authorized officer

West, N

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/003135

**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 700 289 A (GRANDE DANIEL A ET AL) 23 December 1997 (1997-12-23) column 9, line 56 - column 11, line 63 -----	1-180
X	US 5 578 217 A (UNGER PETER D ET AL) 26 November 1996 (1996-11-26) claims -----	1-180
X	US 5 541 234 A (UNGER PETER D ET AL) 30 July 1996 (1996-07-30) claims -----	1-180
X	US 5 502 082 A (UNGER PETER D ET AL) 26 March 1996 (1996-03-26) claims -----	1-180
X	US 5 494 940 A (UNGER PETER D ET AL) 27 February 1996 (1996-02-27) claims -----	1-180
X	US 4 753 761 A (SUZUKI MAKOTO) 28 June 1988 (1988-06-28) column 4, line 26 - line 48 -----	1-180
X	US 4 663 358 A (IKADA YOSHITO ET AL) 5 May 1987 (1987-05-05) claim 1; table 1 -----	1-180
X	US 4 524 064 A (NAMBU MASAO) 18 June 1985 (1985-06-18) example 2; table 1 -----	1-180

## INTERNATIONAL SEARCH REPORT

PCT/US2004/003135

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  
Although claim 132 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/US2004/003135

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2004092653	A1	13-05-2004	US	2004171740 A1		02-09-2004
US 6268405	B1	31-07-2001	AU WO	4694100 A 0066191 A1		17-11-2000 09-11-2000
US 6231605	B1	15-05-2001	US US US US AU AU CA EP JP JP JP WO	5981826 A 2003008396 A1 2004143329 A1 2001029399 A1 728426 B2 7176698 A 2288793 A1 0991402 A1 3506718 B2 2001508690 T 2003038637 A 9850017 A1		09-11-1999 09-01-2003 22-07-2004 11-10-2001 11-01-2001 27-11-1998 12-11-1998 12-04-2000 15-03-2004 03-07-2001 12-02-2003 12-11-1998
US 5981826	A	09-11-1999	AU AU CA EP JP JP JP WO US US	728426 B2 7176698 A 2288793 A1 0991402 A1 3506718 B2 2001508690 T 2003038637 A 9850017 A1 6231605 B1 2001029399 A1		11-01-2001 27-11-1998 12-11-1998 12-04-2000 15-03-2004 03-07-2001 12-02-2003 12-11-1998 15-05-2001 11-10-2001
US 5700289	A	23-12-1997	AU EP WO	7451596 A 0862617 A1 9714783 A1		07-05-1997 09-09-1998 24-04-1997
US 5578217	A	26-11-1996	CA CN EP JP WO	2206121 A1 1167507 A ,B 0795039 A1 10510008 T 9617095 A1		06-06-1996 10-12-1997 17-09-1997 29-09-1998 06-06-1996
US 5541234	A	30-07-1996	US US AT DE DE DK EP ES JP JP WO US	5494940 A 5502082 A 168040 T 69226203 D1 69226203 T2 625070 T3 0625070 A1 2118219 T3 2620039 B2 6511197 T 9312877 A1 5525710 A		27-02-1996 26-03-1996 15-07-1998 13-08-1998 10-12-1998 22-02-1999 23-11-1994 16-09-1998 11-06-1997 15-12-1994 08-07-1993 11-06-1996
US 5502082	A	26-03-1996	US JP WO US AT DE	5494940 A 8505431 T 9512632 A2 5541234 A 168040 T 69226203 D1		27-02-1996 11-06-1996 11-05-1995 30-07-1996 15-07-1998 13-08-1998

# INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/US2004/003135

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 5502082	A		DE 69226203 T2 DK 625070 T3 EP 0625070 A1 ES 2118219 T3 JP 2620039 B2 JP 6511197 T WO 9312877 A1 US 5525710 A	10-12-1998 22-02-1999 23-11-1994 16-09-1998 11-06-1997 15-12-1994 08-07-1993 11-06-1996
US 5494940	A	27-02-1996	US 5502082 A US 5541234 A AT 168040 T DE 69226203 D1 DE 69226203 T2 DK 625070 T3 EP 0625070 A1 ES 2118219 T3 JP 2620039 B2 JP 6511197 T WO 9312877 A1 US 5525710 A	26-03-1996 30-07-1996 15-07-1998 13-08-1998 10-12-1998 22-02-1999 23-11-1994 16-09-1998 11-06-1997 15-12-1994 08-07-1993 11-06-1996
US 4753761	A	28-06-1988	JP 1838374 C JP 5062881 B JP 63120702 A US 4717800 A	25-04-1994 09-09-1993 25-05-1988 05-01-1988
US 4663358	A	05-05-1987	JP 1970360 C JP 6078460 B JP 61252261 A	18-09-1995 05-10-1994 10-11-1986
US 4524064	A	18-06-1985	JP 58206751 A EP 0095892 A1	02-12-1983 07-12-1983